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N75-1-1

7 July

Intensive surface survey at El Regadillo to define limits of surface artifact concentration and collect all 'feature' sherds. W corner on uphill side is apparently just above "cache" where SP-1 will be located--at small pile of loose sand and pebbles; concentration limit apparently continues straight across hill (roughly E); then slants down and across hill approx. slightly E of N. 1 rocky mound just above "cache" and another just to E. May have rudely shaped building stones (but may be natural); possibly structural (house mounds).

Laid out SP-1 at cache on NS-EW axis 2m square. Surface material from pit bagged separately--most material from cache. Surface material from area immediately around pit bagged separately--probably also from cache. Surface totally collected and largely cleaned of vegetation. Got Liceo to agree to work tomorrow beginning between 6:00 and 6:30. Collected 2 low rocky mounds (M1 & M2) S & SE of PS-1 separately--relatively few sherds. Walked area around SP-1 and defined limits of surface pottery in that area (area where pottery is relatively dense). Began contour map and plotting in site limits with transit.

8 July (JSM, JM, AM, IS) w/ Liceo (@L2.50/day min wage)

AM Began SP-1 w/ string at 10 cm above highest (Sw) corner. Drew in surface contours & plan of lootors' pit & profile of ground surface along each face. Level 1 is 0-50 cm (measuring from string which = pit datum plane). Lots of pottery in 1st level. Soil turns light brown & powdery at 36 cm in SW corner (fine-textured but grainy). Limited to zone ca. 40 cm in diameter. Sherds seem to thin out extremely sharply between 40 & 50 cm. Almost reached 50 cm level--left loose dirt in pit after sherds collected to discourage rummaging.

9 July

Cont excavation at Regadillo w/ JSH, JM, HM, IS, AM, Oswan & Liceo. SP-1 0-50 cm level concentration of sherds in SE corner 45-50 cm deep (SP-1). Mold-made figurine head w/ hollow body. 63 cm N/35 cm W/ 45 cm deep from SE corner. Another concentration of xxx sherds 1m N on west side 45-50 cm deep. Another sherd concentration 1.58m E/1.40m N/46 cm deep

All sherd concentrations occur in much softer matrix than rest of deposit. Several sherds of flat gray-white "comal" w/ crude exterior cross-hatching in NW corner ca 45 cm.

SW corner peg shot in w/ transit.

Shallow plate w/ tripod legs (large sherd) 171N/70E/50cm

Finished level 1 (0-50cm)

SP-2. laid out over apron of mound S of SP-1. Cleared 2.5 m--pit will be 2m square w/ 50 cm balk between to be excavated by natural levels if possible SW corner is datum--string set at 5 cm above ground surface at that point. This datum plane is 57cm above datum plane for SP-1. Took profiles to establish ground surface ~~am~~ along all 4 edges of pit.

Began excavation in S half of SP-2 which has most of mound slope--1st level is 0-50 cm (all of N half of pit is below this).

Cleared what appears to be very rude sloping stone facing wall--coarse angular unshaped stones ~~fazkmg~~ Pit does not go square into mound--rocks thin along SE corner where S edge of pit moves away from mound face (looks more like intentional facing). Made perspective sketch from N & rough plan (JSH KX5:

Shot in SW corner peg w/ transit.

Stones continue below 1st layer--but fewer--right along S edge of pit. Nearly reached 50 cm in S half of pit.

July 10

Continued excavation of SP1 & ² El Regadillo w/ JSH, JM, IS, AM, Osmin & Liceo.

SP1: Cleaning base of L1. Still lots of pottery in lowest 5 cm (45-50 cm). Began Level 2 50-60 cm. 50-60 cm--yellowish gray-

brpwn soil (same texture as lighter dry fine).

Mold w/ geometric linear & dot design: L2 30 cm W/ 30 cm N/60 cm deep.

Sherd concentration 120 cm N/90 cm/ 53 cm deep.

Potential (rectangular with rounded corners) building stone

150cm E/60 cm N/60 cm deep.

SP-2: Cleaning 2nd rock level (inner facing wall). Began L2 by

removing 2nd rock level (after plan drawn). L2 will be 20 cm

(50-70 cm)--to depth of deepest rock hold. This level will

include surface of N half of pit too--roughly level all over.

Cut stone (rectangular broken slab): 50 cm N/30 cm E/60 cm deep.

Definitely a facing/retaining wall.

3rd layer of facing stones appears in L2 (50-70 cm)--part of it

slumps--as though there were a hole below; cleaned & drew in 3rd

layer & levelled pit floor at 70 cm.

SP-1: Ventrally incised ~~an~~ handle: 150 cm N/13 cm E/56 cm deep.

Large rim & body fragment of Manzarita Red olla. 130 cm N/73 cm E/
55 cm deep.

Large irregular stone removed 65 cm N/155 cm E/45 cm deep.

Lots of ceramics coming out of L2

Incised handle (parallel slashes) (typical type) 10 cm N/185 cm E/
60 cm deep.

Large rim & body fragments of several Manzarita Red ollas at

~~12~~x 108 cm N/165 cm E/51 cm deep (turns out to be extremely dense
concentration of sherds in ca 30 cm radius around this point;

continues into Level 3--very dense; may extend clear across N 1/3

of pit to be continuous w/ concentration at 120 N/90 E/53 deep.

Check SP1-L2 bags for several reconstructable vessels. Still very dense at base of L2 all along N face. Didn't quite finish L2.

11 July 1975

AM: continued excavation at El Regadillo w/ JSH, JM, IS, AM, Osmin & Liceo.

SP1: continued removing L2 in N half of pit: sherd concentrations continue. Roughly level stone scatters in NW corner & SW corner & along W edge of pit--conceivably structural feature. Large flat-topped rock in SW corner concentration--conceivably cover of something. L2 goes a little deep (68 cm) in NE corner. Concentration of rocks with sherds in between them in NW corner. Extends 65 cm S/73 cm E/ 52 cm deep in NW corner extending to 65 cm deep at farthest E corner (rocks ranging from approx 5 cm long to 18 cm long).

Level 3: Candalero 67 cm deep/70 cm N/80 cm E.

Whistle fragment 67 deep/110 N/130 E

Enigmatic bird head whistle 69 deep/120 E/155 N

(Level 3: cleaned base JM:KX1-35)

Sketched & photographed stone layer. Removed & began Level 4 (70-80 cm) Heavy sherd concentration continues in NE corner in Level 4. SP2: cleaned & photographed base of L2 (50-70 cm)--mostly 3rd layer of stone "facing" on S half of pit. At this level stones continue farther N--might even be continuous with those in SW corner of SP-1/ Removed 3rd level of stone facing & began w/ Level 3 (70-80 cm--to deepest hold left by stones removed).

5

Stones seem to thin out below 3rd layer. One possible fragment of squared building stone. Much more pottery in L3 below stones.

Soil changes from medium-dark gray to light (yellow) brown at 80 cm deep in S half of pit (90 cm E/144 cm N). May be same as yellowish level in SP1 (though seems slightly too high). Ran through stone facings in S half of pit (no more after 3rd layer) but there seems to be a level pavement in N half which was continuous with 3rd facing layer (70-80 cm). Cleared this stone layer off at base of L3 (sketch & photographed--JM KX-1: 36) Removed & began Level 4 (80-90 cm).

July 12

Mound 3 has apparently 3 rows of squared stones on down slope (N) side--looks like facing wall largely of squared blocks. Also row of at least 3 squared blocks about 15 m downhill(N). Should all be drawn in & measured as well as shot in w/ transit.

July 12

Continued excavation at El Regadillo SP1 & SP2 w/ JSH, JM, HM, IS, AM.

SP-1: Continuing Level 4 (70-80 cm)--stepping down from possible bedrock along S side. (few or no sherds from S edge).

Bird head whistle 138 cm N/75 cm E/82 cm deep.

Base of level 4--JM KX 2-5

Began Level 5 (80-90 cm) by removing stones from S edge. May be rotting bedrock, but fair amount of soil mixed w/ loose rock.

6

Taking very large ring-base bowl fragment out of north wall

81 cm deep/65 cm W

JM KX 2-10

Handle fragment directly above bowl--64 cm deep

Olla rim & profile to body.

In lighter fine dry level.

SP-2: Continuing Level 4 (80-90 cm). Soil change from gray brown to yellowish brown in NW corner 160 cm N/80 cm E/ 86 cm deep--same changes saw at 80 cm a little farther E yesterday. Projectile point: 160 cm N/46 cm E/86 cm deep.

Sketch and photo of base of level 4 (JM KX 2-9).

14 July

(DM, SW)

SP1: Trench wall on N side has collapsed into trench--cleaned out and labelledx Level 5--actually under-cutting measures from 148 N/194 E/ 72 deep to 73 deep/ 194 N/ 76 E.

Photo of base of level 5: JM KX2-21.

Begin level 6 x (90-100 cm) Photo JM KX2-22.

Begin level 7 (100-105 cm).

(JM, SR, JH)

SP2: Remove rocks on top of base of level 4. Sift loose dirt and bag artifacts contained therein with level 4.

Begin level 5 (90-100 cm).

Mano found at depth of 94 cm; 161.5 E, and 159 N.

Small object also from upper part of level 5, N side; bagged w/ shells.

Similar object--horn of a deer? 86.5 cm deep, 196 cm E, 135.5 cm N
(from E wall of pit).

Portion of long bone?: 98 cm deep, 110 E, 136 N. Possibly wood.

SP1

Soil profile notes for boarder of third soil layer of the soil (SP1)

15 July 1975 photo KC 4:23 (SKW)

0 cm 47 cm down

50 cm 53 cm

100 cm 44 cm

150 cm 42 cm

200 cm 47 cm

15 July

SP1: Lisco picking a 0.05 m layer (Level 7) to see if only shells are
in earth and crumbling white rock. Dan sifting. No sherds. Level
brushed and photographed from N & NE. SE 105. Center 109

NE 106 NW 1025

SPL extended 0.05 m to N--dug in natural levels. tag: SP1X level 1

15 July - SKW (level 5)

SP2: hole in rock in floor of pit which may be artificial

length: 38 cm; depth: 11 cm; width: 10 cm

measurements from sides to center of ~~hole~~:hole:

N side: 132 cm

E side: 76 cm

depth from surface 101 cm

SPly: from NW corner

in 25 cm top level 1 = 33 cm

in approx 100 cm, top level = 42 cm

in approx 150 cm, top level = 46 cm

NE corner top level = 51 cm

SP2: Jay & Steve with trowels are finishing level 5 (90-100 cm) soft earth in stones, small proportion of sherds. Osmin sifting.

Level 6 (100-110 cm) very few sherds 6

Level 7 (110-115) minimal 6

July 16

SP1 Level 8 (105-120) sterile level--rotting bedrock in SE

Removal of baulk from N

Level 1: fine, moist, dark soil.

Completed: slopes up slightly to S--not as much as you would expect from hill slope. Tomorrow--must add profile of top of L2 to SP2 N face profile. Photographed cleaned bottom of L1 (KC-5 & 6)

July 16

SP1X: Level 1A--fairly compact dark gray soil--small sherds--hole, probably animal in NW corner. Bottom goes from 56 cm deep on W side to 64 cm on E side.

Level 1B: Loose, concentrated large sherds starting to dig level 2 from E side toward the west. The soil is not lighter gray, its the same as 1A only less compact. The looseness of the soil is probably due to the large sherds.

Level 2: concentration of sherds persists but soil is lighter and

finer. Some of this level has been removed before profile ~~dw~~ drawn. Cleaned & photographed bottom of Level 2 (KC 5-5).

SP2 Level 8(115-120/25). Only sherds collected are falling from the wall; sterile layer.

Surveyed in modern Naco w/ PUF. Began at pitted mound group shown us by Juan Anepl Maldonado. It seems to be a pair of mounds, including the ~~larg~~ largest square mound mentioned by SKP & another pitted by them. Sw of these is a line of cobbles which probably represents a wall of the ball court & another mound. N & W of them are several other mounds that roughly match the SKP sketch map--including the mound w/ their largest trench which ~~yxx~~ yielded the colored plaster floors. There apparently are remnaants of the 3 long curved mounds S of the road--sherds & obsidian are eroding out where they have been cut by the road; N of the road they have been totally destroyed by mechanized plowing. Small square stone-lined pit (well?) shows partial stratigraphic profite in this area: apparently top 40 cm or so has few small sherds. 'Largest' square ~~mf~~ mound still being robbed for building stone (several dressed blocks visible)--profile shows at least 3 well-made, hard, smooth plaster floors. Apparently this zone was never very impressive--maybe SKP missed centro; or maybe this site isn't ancient Naca (does Bernel Diaz mention 2 rivers? Could La Sierra have been Naco?) Still no examples of Naco R/W.

17 July

Continued at El Regadillo w/ JSH, Osmin, Sw, IS, DM, SR

SP1-X: checked profile at base of Level 2 (N face of SP1). Drew profile of N face of SP1-X--ground surface & base of Level 2.

Began removing Level 3--rocky, soil fine and dry (yellowish-gray-brown). Decided Level 2 had not been completely removed in W side of extension. One bag is mixed Levels 2 & 3--most of sherds from W side--so probably mostly Level 2. W side removed to definite top of Level 3. Removed Level 3 to top of sterile rotting bedrock. Photographed top ~~of~~ of bedrock (KC5: 14), added profile to N face of SP1-X profile.

Baulk: added profile of top of Level 2 to N face profile of SP-2. Checked profile of base of Level 2 against S face profile of SP-1. Began removing Level 2--finer, drier, lighter gray than Level 1. Base of Level 2 plotted on N profile of SP2, checked against S profile of SP-1. Photographed, cleaned level 2 (KC5:6). Began Level 3 yellow-gray brown, fine & dry-powdery. "Fish mouth" just ~~into~~ into Level 3. Removed Level 3 to top of bedrock. Photographed (KC5:15); added profiles of bedrock to profiles SP1-S face & SP2-N face. Left message & L2.50 for Liceo to back fill as he pleases.

18 July

Took El Regadillo pollen samples from W face of SP1--approximate column 10 cm wide and deep. Taken in 10 cm units w/in natural levels. Double bagged in plastic. 3 samples from Level 1, 1 from Level 2; 3 from Level 3 & 1 that is either basal Level 3 or top of sterile (probably sterile).

#112

11

E1 Regadillo features:

Mound 1 - just S of SP1-2; plotted in w/ form by transit crew.

Pit in center. Couple of dressed blocks. Cobble facing

Mound 2 - just E ~~fx~~ of M1. Cobble faced. Plotted in w/ form by transit crew.

Mound 3 - S of M1. 3 rings of squared stones--3-tier retaining wall(?). Vaguely oval, in long axis roughly SENW. Several points plotted & levels on 3 rings w/ transit. Taped axis

Datum - NW edge 8.00 m

" SE edge 3.30 m

uphill edges too ~~m~~ indistinct to measure.

Mound 4 - small mound E of M3

Mound 5 - very large mound w/ ~~k~~ 'tiers' of squared blocks projecting from hillside. Hill profile transects it & several contours run across it. May be more like platform utilizing bedrock; has sherd concentrations above. At least partly artificial. Lower part probably rotting bedrock; upper part clearly modified.

Mound 6-7 - very small cobble-cover rises W of M5. M6 roughly circular, ^{diam} ~~diam~~ approx 4.80 m. M7 roughly oval, long axis SSW-MME: 4.50 m; short axis ESE_WNW 3.50 m.

Mound 8 - Small roughly circular cobble-covered; diameter approx. 4.80 m. Has JM X--must be keyed into transit map.

Mound 9 - (JM's mound in the woods) Larger roughly circular mound (cobble-covered); diam approx 7.80 m.

Mound 10 - Medium sized cobble-covered mound on flat area;

#112

12

roughly circular, diam ca 7.50 m. Very ~~shar~~ slight attached rise--10A.

Mound 11 Very low (20 cm?) rise w/ circular (perfect) ring of stones 5 m in diameter. Probably destroyed. (PUF 5:30)

Bedrock ~~xx~~ outcrop above 10-11: "banded" 1st--then layers of variable hardness & compaction--eroded in odd forms. Lots of flint/dirt/cryptocrystalline inclusions. Ilene's flakes are cortex-removal flakes--looking for workable material. Several such "cores" collected above Ms 10-11 show this clearly. Soil-deposit apparently quite thin all over hill--especially above.

#13 SR, DM, IS made compass map of mound cluster between Naco & El Regadillo (Ed R.2). Turned out to have less than 30 mounds in 2 clusters--one near path & 1 near larger ~~x~~ mound. Named Calzada Escondida (Site 62).

Went to La Sierra. Took branch road running SW from main road--eventually curved SE & came to LSV mound & apron. Made another surface collection & took photos (PUF 5: 31-36; 6:1-3/JSH 6:9-10). Arrangement of 4 small mounds SE of large mound & apron & several others S of it. Transit crew will have to look carefully for low mounds. Decided to excavate ~~x~~ 2 x 4 m pit at La Sierra I & to clean faces of huaqueros' pit in one of the mounds at La Sierra III. LSIII work should be couple of workmen & JSH or KC ^{ai} --not educational for students & also probably requires a ~~far~~ amount of excavation experience. Key question is to discover nature of ~~xxxx~~ mounds: platforms for structures (houses; temples?), public display platforms; burial mounds. Key

questions--are there interior structures; are there superstructure foundations; what are the dressed blocks vs cobbles used for? Dressed blocks are obviously used as sloping facing walls in some cases (stairs?); but the outer facing on many of the mounds appears to be of cobbles; could the mounds faced w/ dressed stone have been ~~m~~ remodelled w/ facing of cobbles, possibly covered w/ plaster. Huaqueros pit in mound to be excavated shows an apparently horizontal arrangement of thin dressed slabs w/ space below; conceivably an interior structure. Another huaqueros pit in a nearby mound shows what appears to be a solid cobble vertical wall in the interior--but too near the edge of the mound to be a structure apparently, & it also seems not to continue into the mound. Cobbles appear very thick along ends of the (oblong) mound--the "wall" could conceivably be part of a very thick cobble facing at the end--but really looks more like a wall.

31 July

Walked areas adjacent to LS I, II, & III. ~~XXX~~ LS I is quite close to La Pesequia road where it bends N. Large depression between I & II--vaguely circular w/ low rises (mounds) and cobble concentrations on rim; conceivably reservoir or structure. Adjacent small oblong depression could conceivably be crude ball court. Long wash running w to e toward LS II flanked by rises--probably combination of natural rises and erosion of seasonal wash, but could conceivably be mounds.

N 75-1-14

7/18 (Probably)

4 August

Surveyed R. Naco w/ KC. Compass mapped NW extension of Montanas Grandes. Found 'new' site on Cortes bank near (w/in 300 m) Chamelecon confluence--approx 8 low cobble-covered mounds. Visited Hda house between Chichis land & Rio Naco--called La Champa, owned by Benjamin Paz of SPS (this must be PUF's "Mejipaz" rancho from early survey of R. Naco edge of Manacal. Paz's land does seem to extend across R. Naco--corrals cross river, saw survey stake couple of hundred m NE of Naco. Small site near confluence was also seen by PUF's survey crew. Crossed Naco--looked for San Luis--couldn't find it near confluence. Met compesino who said nearest mounds were La Sierra (which he suggested might have been ancient Naco). He also figured out from terraces that the Chamelecon once ran nearer carretera. Walked SB bank to highway. Few low mounds just upstream of village of La Sequia--near huge sheds on different hda (Coronel Garcia's?).

La Sequia #117

Series of low amorphous mounds on this bank between .5 & 1.5/2 km downstream from highway--largely destroyed by plowing. Correspond to low mounds on other side of river. Probably part of greater Naco.

one of the other 5 sites on Garcia's land.

7 August

SP1 continued in sterile material well below 3m. SP2: removed gray lense w/ sherd concentration. Probably represents a depression in which garbage accumulated--lense itself is grayish, ashy, calcareous material w/ lots of pottery. It is interspersed w/ pockets of

Excav. 112

very light brown clay (solid-very hard)--presumably representing standing water deposits formed as garbage was accumulating. Lense also has charcoal mud-brick & wattle & daub fragments--garbage included structural debris. Below the lense (which apparently exists only in front of river cut) no more clay pockets. Next layer is dark gray-brown clayey soil above a bright yellow-brown less clayey soil. Both of latter are ~~xx~~ virtually sterile. The few sherds from the dark*gray-brown level which were picked up in the screen almost certainly represent fall-in from upper walls. Trowelling lower walls of river ~~fx~~ face revealed no sherds above path level. Decided to terminate both SP1 & SP2. Neither could possibly reach cultural deposit, even if there is on near river level.

9 August

Visited Q Tostada (=La Mora) on way to El Salto. To reach it, turn right at bottom of steep descent just above Naco mismo & go thru property of Tabacalera, where have ^{8.}cherchis take up hill forks. Site is on 2nd terrace of ~~Rio~~ Naco at point where Q Tostada cuts between 2 hills and flows parallel to R. Naco w/in 100 m or so of it. Q. Tostada is now dry & name is hardly ~~xx~~ ever used any longer. Site is on both sides of road near house complex. Most of mounds are on 2nd terrace, but several are built onto hill slope. Some of mounds are quite large--up to 5+m. Area is badly overgrown w/ thorny monte alto--impossible to map properly or even to locate ~~thxxx~~ all the mounds. At least one cist grave--apparently

N75-1-16

the corner of a looter one--right angle arrangements of upright stones 50-75 cm long. Woman of house ~~ax~~ says there are a few mounds upstream in SB side. However woman on hda near El Salto says aren't any mounds that far up--says La Mora is nearest mound group.

N75-1-17

PAGE 1 La Sierra I, Field 1= LS1

LS 1.1-N 1.1 to 1.20

LS 1.1 mound rock - datum point with X (in blue) and number of mound

LS 1.3 294° from datum 1 collected by Ilene 34.3 m.

LS 1.2 234° from Dat. 1 24.5 m.

LS 1.4 240° from Dat 3 16.5 m.

LS 1.5 294° from D3 25.35 m.

LS 1.6 309° from D5 21.45 from D5

LS 1.7 245° from D5 29.10 m. from D5

LS 1.8 276° from D7 18.85 from D7

LS 1.9 278° from D8 26.45 from D8

LS 1.13 324.5 from D8 25.60 from D8

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LS 1.10 320° from D 13 12.5 m. from D13

LS 1.11 265° from D13 19.15 m. from D13

LS 1.12 260° from D11 46.40 m. from D11

LS 1.14 290° from D12 27.25 m. from D12

LS 1.15 258° from D12 17.35 m. from D12

LS 1.16 332.5° from D12 17.16 m. from D12

LS 1.17 18° from D14 12.5 m. from D14

PAGE 4 cont.

LS 1.18 314° from D14 11.15 m.

LS 1.19 214.0° from D14 24.50 m from D14

LS 1.20 209° from D19 28.5 m from D19

PAGE 6 Field 2 LS 2.1-N

LS 2.1 10.4 m to D6 (LS 1.6) 276° to D6 from LS 2.1

LS 2.2 17.10 m from LS 2.1 (D 2.1) 79° from LS 2.1

LS 2.3 28 m from D2.1 61° from D2.1

LS 2.4 East end - 24.45 m from D2.1 LS 2.4A 54° from D2.1

LS 2.4. Middle (N) 27.8 m from D2.1 LS 2.4B 43° from D2.1

LS 2.4 West 22.30 m from D2.1 LS 2.4C 13° from D2.1

LS 2.5 27.50 m fr. D2.1 342° from D2.1

LS 2.6 27.10 m from D2.1 316° from D2.1

LS 2.7 LS 2.7A 6.7 m fr. 2.5 4° fr. 2.5

LS 2.7B 12.20 m fr. 2.5 39° fr. 2.5

PAGE 7 Field 2

LS 2.7 cont. LS 2.7C 14.60 m fr. D2.5 45° fr. D2.5

LS 2.7D 14.40 m fr. D2.5 52° fr. D2.5

LS 2.7E 15m fr, D2.5 57° fr. D2.5

PAGE7 cont.

LS 2.7 F 13.30 m fr. D2.5 79° fr. D2.5

LS 2.7 G 19.80 m fr. D2.5 51.5° fr. D2.5

LS 2.7 H 20.30 m fr. D2.5 59.50° fr. D2.5

LS 2.8 13.50 m fr. LS 2.4B 33° fr. LS 2.4B

LS 2.9 21.50 m fr. LS 2.4B 74° fr. LS 2.4B

LS 2.10 25.70 m fr. LS 2.4B 57.5° fr. LS 2.4B

LS 2.11 17.20m fr. LS 2.4B 345° fr. LS 2.4B

LS 2.12 29.10 m fr. LS 2.4B 353.5° fr. LS 2.4B

PAGE 10 7/1 LA SIERRA II Datum=

Central line of trees running roughly E-W approx. 100 m. from the S.

Datum point on mound 1.

LS II 1.1^{II} 1.2 27.10 m 64° E of N

LSII 1.2 1.3 22.62 m 281° E of N

LS II 1.2 1.4 28.74 m 28 344° E of N

LS II 1.2 1.6 30.25 m 145° E of N

LS II 1.4 1.5 19.10 m 122° E of N

LSII 1.5 1.7 12.70 m 40° E of N

LS II 1.7 1.8 26.10 m 329° E of N

LS II 1.8 1.9 12.80 m 232° E of N

PAGE10 cont.

LS II 1.9 1.10 13.60 m 254° E of N

LSII 1.9 1.11 37.00 m 332° E of N

LS II 1.8 1.12 21.50 m 358° E of N

LS II 1.11 1.13 21.85 m 295° E of N

LS II 1.11 1.14 25.700m 24° E of N

LS II 1.11 1.15 25.35 m 352° E. of N

diagram of hacienda and corrals PAGE11

PAGE 12 PERIMETER

Mound 1 37.5 m perimeter 2 handfuls sherds, 2 obsidian tools radius 9.06 m

Mound 2 56.9 m perimeter radius 9.06 m figurine, lot of stuff

Mound 3 55m perimeter very little

Mound 4 50 m perimeter radius 7.96 very little

Mound 5 41 m perimet er nothing

Mound 6 35 m(?) perimeter heavy overgrowth, burnt tree

Mound 7 58 m perimeter radius 7.little

Mound 8 45 m perimeter radius 7.17 m 1 handful

Mound 9 45.24 m perimeter * handful sherds, 1 flake

PAGE12 cont.

Mound 10 45 m perimeter radius 7.17 very little

Mound 11 75 m perimeter long and skinny. minimal sherds, modern metal, glass, bricks

Mound 12 50 m(?) perimeter few sherds, possible (subrectangular) shaped building stone where cut through by road, modern pottery

Mound 13 61.62 m perimeter radius 9.81 m few handfults, modern roof tiles

Mound 14 55 m perimeter radius 8.76 few sherds, some modern pottery

Mound 15 37 m perimeter radius 5.89 m nothing

PAGE13

1- round and conical 2- round and conical 6-mound badly destroyed

by burned fallen tree. Hypothetical radius of 5.50 m (measured

to the south) reconstructed as a circular mound, 3- N- 6.71 m W 7.87 m S 6.54 m E 7.98 m 4- round and conical 5- n: 4.92 m

E: 8.68 m S: 6.33 m W: 6.97 m 7- 40° E of N 22.21 m length of

mound width: 110° 19.91 m 8- roughly round 9-ellipse N-S 10.40

E-W 14.35 10- round (illegible) 11-N-S: 11.28 E-W 30.60

12- rough ellipse; cut by road. From tree by road to edge of mound

is 8.50 m N-S along fence E-W 16.45 from road to N edge = 8.97

13- roughly round 14- roughly round 15- roughly round

PAGE 14 7/1;

II compass mapped- mounds almost all over-grown with ground cover, trees. Field stones^s and few sherds but they appear to (illegible) the same period as LSI mounds- monochrome unpainted coarse ware, red on buff, obsidian and flake tools. Miksu to plot datum point with transit. Compass readings with Brunten, perimeters paced, distance between mounds topped. These mounds are about as tall as LS I- conical in elevation, less disturbed and eroded than LS I. 1/2 bag sherds collected- several modern examples kept for comparison 1 possible figurine kept.

PAGE 16 7/1;

mapping of distance from El Chaparral datum to La Sierra with transit. 7/2 completion of distance from LaSierra II 1.1 to La Sierra I 1.1 Map distance from datum at TP IV, July 1, at fence corner, to datum at LS III D1 (rest of page crossed out)

Diagram on PAGE 17⁴nd PAGE 18 crossed out

PAGE 20

7/1-7/2: mapping of distance El Chapperal- La Sierra starting point: datum at El Chaparal Junction Objective: La Sierra II 1.1

Series of NO. on page 20.

Page 21-map. Page 22-7/1-7/2-El Chaparrel-La Sierra (cont)

List of numbers in book on page 22. (Disparity at station #4 results from this procedure : points station #1 to station #4 were measured: then station #18(LS 2) to station #9 were measured starting at number 18 and moving toward #9, then work eased for the day. On 7/2/75, the distance station #9 to station #6 was measured, the last point taken was a back shot with the transit above a temporary point at station #6)

Page 24-7/2/75-Object: Locate LSI 1.1 by transit and stadial measurement.

Starting point: LSII 1.1 Look at page 24 for measurements.

Page 25- diagram of measurements. Page 26-7/2/75- Object: Locate LSIII 2.1 by transit and stadial measurement. Starting point: TP XII, 7/1-7/2 Refer to page 26 for list of measurements. Page 27- diagram. Page 28-7/3/75-

Objective: map perimeter of LSIII Starting Point: TP XII, 7/1/75 Refer to page 28 for measurements. Page 29-map. Page 30- 7/4/75-Objective: Locate LSIII

D.1 from TP IV, 7/1/75(TP XII in manual) Refer to page 30 for measurements.

Page 31-map. Page 32-7/4/75-Objective: map perimeter of LS III.(cont)

Starting Point: Station XIII, 7/3. Station XIII forms a turning point for a front site to station XIV (datum 7/4). Refer to page 32 for measurements.

Page 33-map.

PAGE 34

SR, JMH
23 de julio PUF, ~~Riddle~~, and ~~Hamilton~~ beginning stratipit at

La Sierra I. Measurements of string above surface (measured from

corner stakes): E.- 9 cm. N.E.-9 cm. ^{N-12cm} W.-22.5 cm. S.W.-19.5 cm. S.-18 cm.
^

Rock on surface 115 from E. 145 S. PUF roll 10 Pictures 1-4.

S

Slow start today. Collected 10 bags sherds from river cut and

wash by pit. Includes a few nice Maya Polychromes. Started

the first level - 25 cm. below string. Will go down in 10 cm.

levels. Jay and Sue did Profiles and sherded in the cut. Sue

and I layed out the square and had a devil of a time doing it.

The first level is roughed out. Will finish it tomorrow .

Drawing on PAGE 35 PAGE 36

July 24 Same crew minus Osmin. Work going slowly. Screening

wet is harder. First level should be done today. Color and soil

change in East corner- yellower, more claylike, harder.

July 25 Finished level 1 by eightish and Riddle leveled and

retied strings; Hamilton redrew profiles which had been reversed

and did color changes. J.S.H. and PUF troweled. Much faster.

Julio is very good, sensitive with his tools. We have 3 work

PAGE 36 cont.

men, Osmin, Jay ,Sue, JSH and PUF

The rock concentration appears to be a mound. What sherds we have come from there. The soil color changes also coincides with the stones. Taking down Level 2 25-40 cm. After that in 10 cm. increments.

PAGE 37 drawing PAGE 38

EXCAV
7
8
Rocks in great quantities in this level. Looks like a burial mound. the color change in appearing in South corner, roughly associated with the rocks. Concentration of olla fragments (rather large) in rocks and immediate N. of N.E. stake. We are removing some of the rocks, those appearing in the first level's drawing. On the N-N.E. face at midpoint is a dark area at soil extending to 40 cm. with sharp break between yellowish layer and it..

Photo references PUF roll 10 5-12

26 de Julio Will begin by removing rocks in L2. Hopefully more rocks, so we can do 2 levels today. The efficiency of this group must improve!

PAGE 39 Level 2 25-40 cm. surface of floor not drawn- too many rocks

Photos: PUF Roll 10 8-12

PAGE 40

Sherds lodged in between the rocks, especially in the NE pedestal and the N~~W~~NE face. A problem with removing rocks- many are greater than 10 cm. The work men are improving when a too-large rock is removed I've gotten them to put a small one in the whole to keep the level. Not orthodox but expedient. A layer under the first, but not too extensive- will still photograph not draw. no other soil changes, except always darker and softer. The dark pocket stops when it hit the lower rocks. It must have been from a tree, a root was near. Lots of pieces of clay from wattle and daub. The workmen agree that they were pieces of a house. The chunks are mostly from in and around the rocks.

Photo: PUF roll 10 13-17

PAGE 42

JSH and PUF left at 9:30 A.M. , Leaving Hamilton and Riddle in charge. No apparant change in stratigraphy so new level started without profile drawn. A few problems getting the workmen started; they didn't seem to like their new honchos. Began digging level 4 (50-60 cm.) by removing rocks photographed by PUF, Riddle and Hamilton instructed Osmin to caution workmen about removing rocks

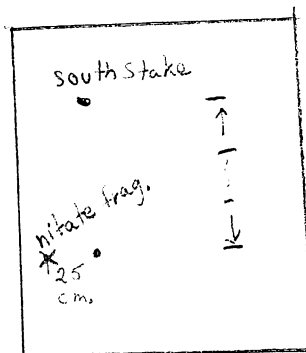
PAGE 42 cont.

from pedestals and walls. Finished level 4 50-60 cm. Too many rocks. Photos: PUF Roll 10 18-26 28 de Julio Had to make balks smaller due to rock falls. SW balk- 30 cm.X 15 NE balk- 32X 10 Taking down L5 60-70 cm. Also trying to decide on shaving the wall. Photos: PUF Roll 11 1 and 2 Profile of Naco M2 3-6 uncut face

PAGE 43

at place place where face will be done. The cut will give us 2 perpendicular faces. One is on the line at the NE wall of trench. From there over 1.5 m. Back in from edge 1 m., due to undercutting Probably won't need to step. (illegible) fragment found in trench- X marks spot: with lid no X 8 cm. by 8 cm. high. (see drawing) Also possible plaster in balk by NE stake. Kassie and Annmarie are staking out new cut. Annemarie beginning new cut from top with Elio (sp.?) taking out rocks from top.

Photos: PUF Roll 11 7 workmen 8 staking out the face. Nitate in NE balk 230 N of E 25 cm. out from depth 60 cm. from surface crescent shaped 15 length 10 width 6 thick.



PAGE 44

July 28 cont. SP 2- stratigraphic pit on face of river- W-E line of SP 1 extended to E. A pit roughly 150 by 100 to be excavated along edge of cut. Surface of SP 2: sparse plants and grass, river cobbles protruding from surface. Annemarie is your host today excavating and recording. Bottom of surface level photo

PUF Roll 11 No. 9 loose black- brown soil and river cobbles

LEVEL 1 metate fragment sticking out of bank 25 cm. S of E stake loose brown-black soil tree root holes and animal holes extending into Level 2- a yellower clayey soil, more compact.

LEVEL 2 N 12 cm. E 29 cm. W 12 cm. S 17 cm. 1st. arbitrary level clay is disturbed by tree roots- SP1 finished level 5 (60-70) cm.

A real pain- almost solid rock. Very discouraging. Photos

PUF Roll 11 11-16 Drawing on PAGE 45

PAGE 46

In SP1 no further color changes. sherds still in amongst rocks.

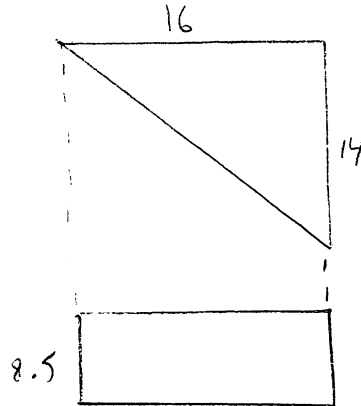
Two fragments of metate lots of daub. But basically a pain.

The next level appears to be rock too.

PAGE 46 cont.

SP 1 L 6 70-80

one of the rocks looks like a fragment of cut sand stone 14X16
right angles 8.5 thick.



Metate fragment 65 cm. from WSW wall, 105 cm. from NW wall (right
in the top of L6) Fragment of figurine whistle- 90 cm. from
SSW face, 1.90 m from ES wall (right in the top of L6) soil
seems to be getting slightly blacker in L6.

PAGE 47--Drawing

PAGE 48

SP 2 Level 2- only a few sherds, river cobbles becoming more
concentrated. Lots of small roots and small bits of carbon-
probably from milpa. N 16 cm. S 19 cm. E 26 cm. W 17 cm. Photo PUF 23

PAGE 49-- Drawing

PAGE 50

July 29 Short-handed a bit- lots of personnel shifting. Annemarie on the face,, Dan, Osmin and PUF on the pit. Working on Level 6-7 at 80 cm. SP2-continuing removal of level 2 by smaller arbitrary levels. SP1 in SW face a man 0-110 cm. from S stake, depth of 77-8- cm. Photos for L6 PUF Roll 11 nos. 18-23 SP1 L7 80-90 cm. Starting down L7. Beginning with L6, some soil changes. Nodule like things appear, with regular yellow-brown clay on outside, but inside it is darker and sort of pouous. They break open easily and pull out when trowling. Level 7 is difficult to screen.

PAGE 51

The dirt is in very hard little clumps. There doesn't, however, seem to be a clear horizon. Everything is very hard and dry and colors are difficult to see, especially in the full sun. L7 will be done- almost a full meter down.

PAGE 52

SP2 Level 2- bottom of second arbitrary level PUF Roll 11 no. 24-25

Soil around rocks is very closely packed. This could be caused by soil percolating out through the river cutp or tree roots.

There are still quite a few roots coming up. N25 S 29 E 27 W 23

PAGE 52 cont.

Many fragments 46 cm. E 14 cm. N 27 cm. deep. Third arbitrary level completed PUE Roll 11 No. 26-27. N 55 cm. E 57 cm. W 56 cm. S 59 cm. River cobbles and yellow gray clay packed loosely around them, sherds fairly common around cobbles.

July 30 SP 1 L8 90-100 Mud brick appearing in walls, in retrospect was also in screen. PUE finds it difficult to distinguish it from daub. Daub is a bit harder as though it were somewhat fired. Mud brick also reddish, but is softer than daub, and softer.

PAGE 53

and redder than surrounding soil matrix. Those pieces in the profiles are recorded. Some of the chunks brought home as daub may be the mud-brick; must re-check. Ilene says its like mud brick at Naco. Soil change on NE face, at about 95 cm. Darker yellowy brown, differs from both other layers. Texture is fine; so far easier to dig, but may bake harder. Fewer of the hard round concretions in this new layer. Layer barely appears in SW face, as layers generally slope from NE to SW. Photos JSH Roll 8 19 and 20 of color change of soil in N-NE face. 21 and 22 21- close up at mud brick in W-N face. 22- whole W-N face at

PAGE53 cont.

100 cm., showing pits in floor from rock removed. L8 cont.

Mud brick fragments all through this layer, also visible in floor to naked eye, through possibly not to camera. Also encountering plaster fragments in ES end of trench.

PAGE 54

several found in walls and included in the profile. Photos JSH

Roll 8 23 Time to step in for L9 100-110 cm. Mud brick 110 cm. from N stake and 20-25 cm. from NE wall. Carbon sample from same

location as this mud brick. Carbon extends from 110 cm. to 128 cm.

From N stake and 0 to 25 cm. from NE wall. Well over 10 grams

of carbon collected. SP2- digging in natural levels because of

mix-up. Level 3- more yellowish and finer textures- still mostly

large cobbles in same proportion as Level 2. LEVEL 3: N corner

63 cm., W corner 70. S corner 73 cm. E corner 74 cm.

Measurements of where leveled off and picture taken N 86 cm.

E 91 cm. S 56 cm. W 84 cm. middle of pit 89 cm. (horizontal

location 55 cm. from NW side. and 55 cm. from SW side. Roll 8

Henderson picture 30= SW profile 31= NE profile. No picture taken

at end of level 2 Intersection of 2 levels marked by nails and

PAGE 54 cont.

string on SW, NW, NE profiles. Profiles to be drawn tomorrow.

Cut stone encountered in Level 3 along W side of SW profile. Top of stone at 85 cm. Middle of stone located at 20 cm. in from

PAGE 55 Drawing

PAGE 56

SW edge and 45 cm. in from NW edge. Measurements of stone 18X18X12½ (see drawing PAGE 55). The cut stone is in a layer with mostly boulders.

July 31 SP1- Level 9-10- broken ring base bowl-(possibly 2)

encountered in situ at 112 cm. from W stake 160-210 along SW profile and 25-60 cm. perpendicular in from SW profile. Photos: Coleman:

Roll? Pictures 11-12. SP1 Level 9- Photo 14- Mud brick concentration and sherds immediately adjacent to first step by SW-W face.

SP1 19 Final photos Coleman Roll 18 14-20 SP1 L9 cont. Lots of

charcoal and mud brick throughout this layer, soil difference now

visible on all walls. Profiles completed. Several interesting

figurine fragments. SP1 L10 110-120 cm. Continuing in 3X2 pit,

loun. (?) charcoal collected at 115-120 cm. Enough for 2 dates.

Pottery continues to be thick, also mud brick. So far no polychrome.

Earth comes up in chunks and

PAGE 57 Drawing

PAGE 58

and is tough and hard to screen. Carbon and polychrome associated
130 cm. from E stake along NE-E wall; 104 cm. in from wall depth
116 cm. mud brick in association. Much obsidian coming from this
level. SP2- Continue digging- trying to level off at 91 cm. so
arbitrary levels can be resumed tomorrow - still in Level 2- The
SE half of the pit seems to be through the layer of boulders at around
85 cm. The NW half is still showing a layer of boulders. Levelled
off at N 90 cm. S 91 cm. E 91 cm. W 91 cm. Photos Coleman Roll 8
21- profile NW 22 SE profile.

PAGE 59 Drawing

PAGE 60

August 1 Will try to speed up work. Possibly switch to 20 cm. levels.
SP2 Level 3 AM on trench. Stepping trench in to a size of SW side.
122 cm. WN side 122 cm NE side 95 cm. Continuing in 10 cm. levels
within natural levels. Coming across mud brick at 90 cm. on S side
of pit. Traces of carbon in the same part. Dan's last arbitrary
level yesterday was indeed the bottom of Level 3 and the Beginning
of level 4. Now continuing 4 in 10 cm. levels. Small bits of plaster
in N corner, 92 cm. deep. The soil is dry clay la bitch to pick and
even worse to trowel. Trace amounts of carbon are scattered

PAGE 60 cont.

throughout the pit in amounts that would allow collection of a carbon sample. There are quite a few micaceous rocks posing as plaster (continued on page 63) PAGE 63- but only one small fragment of the real thing. Pot sherds increasing in number as the pit deepens. Phot K C R811.8 31-33 N 92 S 102 E 100 W 95 cm.

PAGE 61

SP 1 L 10 110-120 Termination charcoal and brick show in all the walls. Seems pointless to draw it all into profile right now.

Manuel and Julio did entire level, finishing and all. A good job though I miss working on the actual digging. The hold up is in

screening- another screen and 2 or 3 more buckets would help.

The third screen is half -time for SP2. Photos: Coleman Roll 8

24--S/SW face 25-- S/SW face 26-- E/NE face 27-- NE/E face

28-- charcoal and brick in S corner 29-- charcoal and brick in NE balk

30-- From E/S end along pit and step

SP1 L11 120-130 cm. Changing procedures 25 cm. at a time. See if

this speeds things up. JSH 's suggestion. After consideration

will remain with 10 cm. levels. The men know this well, and hit

10 exactly. The problem is not in the digging

PAGE 62

but in the screening. The charcoal and bricks have run out but we have tons of pottery. One sherd with an El Regdillo-type bird and 2 or 3 classic Maya at least (illegible) Maymio types. The soil looks to me a bit darker, blacker. Julio does not agree. The quality of pottery coming out is amazing. Carbon sample and associated pot. 90 cm. from SW-W wall 100 cm. from E-S wall 130 cm. deep. a white dimple base. There is some charcoal and brick in this level, though not as much. Less obsidian. We are not getting carbon in situ due to fast digging. Have gotten some from screen.

PAGE 64

August 2 JSH and PUF have decided to down to a 2 m. X 2 m. trench in hope of speeding up the operations. 2 screens are on order and we will get 2 more workmen. Today work will continue in 10 cm. levels. If speed is not increased we will go to 20 cm. on Monday. SP1 L12 130-140 cm. There continues to be a bit of pottery; but charcoal seems less. A whistle was done in by the pick, but we should find the remaining pieces- julio got most of it immediately. Already work is going faster. We brought Sue R. to screen as well. We may get enough carbon for a date from this level.

PAGE 64 cnt.

7:45- men almost done digging L12- very fast in a 2X2 m. Screening somewhat better today. Monday will be okay We will finish.

Photos: Coleman Roll 8 33-36 33-NE/E face 34-SE face 35-S/SW face
36-W/W step.

PAGE 65

L13 140-150 cm. Seems to be less pottery in this level, virtually no obsidian and little charcoal. It's 8:45 The next level is roughed out. A better day. Photos PUF Roll 12 4-8

L14 150-160 Continuing in same manner- 10 cm. levels. No change in soil. Sherds much fewer, also less carbon. Found most of a bowl in situ, 100cm. in from ES wall and 100 from S-SW wall. Trying to get a carbon date, but I don't think there'll be enough. The walls are narrowing in a bit, Julio was very concerned. He cut them back under a bit. The E-S wall slants in at the E side; almost 10 cm. different. I agree that that's not good, but if we cut back ^{to} ~~and~~ the original dimensions we'll have trouble with rock falls.

Photos: PUF Roll 12 12-17(?)

PAGE 66

August 2 cont. SP II level 4 First 10 cm. artifial level of the day: 100-110 cm. deep 8:45 a.m. Numerous fragments of mud brick.

A few bits of charcoal collected, possibly enough for a date.

About Half a bag of pottery, a few pieces of obsidian recovered.

Photos: PUF Roll 12 NE face-1 SW face-2 bottom of pit-3

2nd. 10 cm. artificial level begins in level 4 110-120 cm.

Metate leg- 30 cm. SE and 55 cm. SW of N corner. Slightly conical

12cm. long with diameters of 4 and 8 cm. , depth 113 cm.

PHotos: PUF Roll 12 ~~NE-face-44--SW-face-2~~ 9- NE face 10- SW face

11- bottom of pit. Decreased amounts of pottery and obsidian,

but little charcoal in this level. Mud brick continues and is plentiful.

PAGE 67

August 4. 2 new workers Juan(?) and Alijandro Vasquez and friends of Julio's I think. SP 2 Level 4- 120-130 cm. More mud brick

(small fragments) SP1 L15 160-180 cm. Switching to 20 cm. levels

as of today. The soil remains the same. Still scattered pieces of

mud brick, about the same concentration as the last level or two.

Carbon is down, as are shards and obsidian, but the level is far

PAGE 67

from sterile. A chunk of obsidian has turned up, and a Maya/ Mayoid fragment, so things remain interesting. 8:35 Julio and Manuel have just about finished L15. At 2 m. I'll step back to 1.5m. X.2, which will speed things up more. Photos PUF Roll 12 17- L. Yajoa 18-23 Montanas Grandes 24- Largest amount of mud brick still in NE/E face. Little showing on the floor on this level.

PAGE 68

Greatest amount is in center of NE/E face. Dimensions of pit greatly reduced--ES face 165 cm. E corner to balk 141 cm. balk to WN step 35cm.- 176 total Balk to balk (WN) step 150 cm. S-SW face to balk 155 balk 30 cm. -- 185 total wall to wall (cut balk) WN face 167 cm. Have evened off NE-E face to square up pit a bit.

L16 180-200 cm. 9:20 Beginning L 16 in 20 cm. After this will step back. This level has no sherds. It is vey dull. I wish I'd been doing 10 cm. levels to tell more exactly where the difference began. Will record on profile. The soil is getting sandier.

PAGE 69- Drawing

PAGE 70

in this level, especially at the bottom of the level (200 cm.)

But there is no color break, just a gradient in texture. How to record this? And no artifacts?!. SP2 130-140 cm. in L4

A distinct lessening of artifacts, although no soil change. Carbon and mudbrick still coming, though less carbon than before, Mud bricks about the same. Pottery is way down, and only 2 pieces of obsidian all (illegible) from all levels. SP1 L16 cont. checked the back dirt- hunch confirmed there is a very slight color difference.. This soil is a hair more yellow than the other. It shows in a cross section of a back- dirt pile. But it does not show up in the pit walls.

PAGE 71

Just a gradient, so you know ,eventually that there's a difference.

SP2 Ilene has found a large carbon sample- a big piece of mud brick with the sticks burned in. Bagging it separately and tagging it.

Location: Depth 142 cm from WN wall 80 cm. from W/SW wall 62 cm.

SP1 Photos Level 16 PUF 12. 28-32 (32 is a photo of the end of mud brick showing in the NNE face),33

PAGE 74

from entire layer; all are possible will fall;outs. One is a figurine fragment. Photos PUF Roll 13 1 and 2 ES face L17 3 S-SW face 4 NE+E face 5 NE balk, showing new 25 cm. step and possible soil differences. SP1 Mud brick sample from Level 18 233 cm. deep, 52 cm. from S-SW face, 120 cm. from S stake.

Photos PUF Roll 13 6 ES face 7 S-SW face 8 E-NE face

SP1 L 18 220-240 Finished L- sterile. L19 240-260 Begun new level in last few minutes.

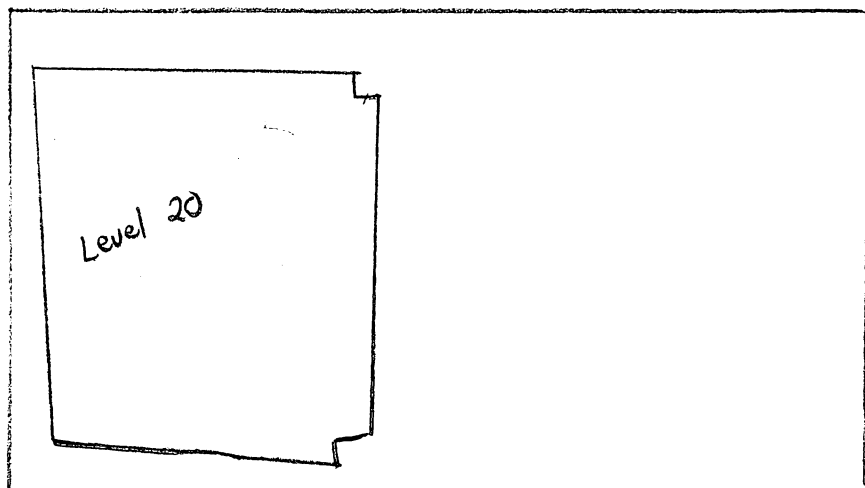
PAGE 75

August 6 SP1 L19 240-260 Continuing this level 4 sherds and

2 mud bricks found in screens- no context no noted soil change

Photos JSH Roll 9 ES face 14 S-SW face 15 E-NE face 16

L20 260-280 Stratification easily visible now on walls. Soil; in this level same as above; moist dark brownclay with gray green noddles



PAGE 76

SP 2 JSH and PUF again on face Mud brick (burnt) occurs all the way to the base of Level 4- resting on surface of lens

Notes for profile NE face- Lens begins 83.5 from back string, 100 to edge of face. 17 cm. slant in at bottom from WN face, 23 cm. slant in from NE face. SW face 115 lens begins 133 face edge 27.5 slant in from WN face 17 slant in from SW face.

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SP1 L21 280-300 Soil change at 280 Much sandier, dark brown quite a few black pebbles the size and shape of watermelon seeds and other pebbles of roughly the same size. Gray green mottles continue - sterile-

August 7 SP1 L22 300-320 Sandy soil ends approximately 3.00- fine clay deposit below- almost no color change visible- perhaps yellower- very obvious change in texture. No sherds. (Possibly one fallen from upper scarp.) SP1 L23 320-340 Same soil.

PAGE 78

AUGUST 7 A huge rain last night SP1 has .25 m. water plus mud. Some wash-in in SP2. Impossible to dig SP1. Are laying out 1X1 m. trench on cow path near river. It is lower than the in SP1, but we'd get too many rocks else where. SP1 is being baled out in

PAGE 78 cnt.

hopes of doing something tomorrow. The profiles are very much obscured by dripping mud. It will have to dry to shave the face and get the profile. Digging SP2 will be a treat- it's harder to see anything today than yesterday. SP1 abandoned.

SP3 Being layed out Surface layer 0-30 cm Obsidian and lots of sherds Moist brown, friable soil. Bottom JSH 9:28 The pit is roughly

PAGE 79

SP2 some wash in though not more than a few cm. Lens seems not to be entirely coherent. Grades into gray-brown very clayey soil then to yellow with less clay. Light brown clay pockets throughout the different soil types. Pottery in all types except the light brown clay pockets, This seems to support the idea that this was an ash and trash dump which was rained on periodically.

L6 Dark brown- black clay beginning arbitrary levels at 160 cm. because the lens L6 border is ill defined. Light brown clay pockets continue. SP2 Bottom of L6= dark brown clay soil- top of light yellow brown less- clayey soil. E208 Middle 210 S 199

PAGE 80

SP3 August 7 ...1 meter square with stakes at N,S,E,W, ends.

Suzanne drew the surface profile WN side 10.5 cm. ; WS side 100 cm.

SE side 105 cm. EN side Photos taken NW side to SE side

L2 30-40 cm. Soil is finer now, Probably because the hard rain

didn't soak this deep. Bottom of level JSH 9:29. Mud brick, obsidian

sherds. L3 40-50 cm. Soil becomes lighter and sandier. Lots of

root disturbance. One large rock in the east corner. Sherds,

mud, brick, obsidian. The mud brick is scarce and in small clods

approx. 5 cm. Photo JSH 9:30 L4 50-60 cm. No noticed soil change.

Decrease in sherd count, no obsidian, 2 mud bricks. Photo JSH 9:31

L5 50-60 Even less sherds no soil change. No photo. More root

disturbance..

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SP2 Stopped digging at 180 cm. except in front part where it's

dug down to level 7 Measurements on preceeding page; at end of gray

brown pockets of light brown clay ends.

SP1 NW profile

	20	40	60	80
depth	20	24	26	25

WS profile

	20	40	60	80
depth	23	25	27	32

PAGE 81. cnt.

SE profile

	20	40	60	80
depth	34	33	33.5	34

EN profile

	20	40	60	80
depth	32	27	23	24

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August 8 SP1 Had workmen finish level started yesterday (level
only taken down 1 min. from S-SW wall- so we could photograph and
take pollen sample. Dirt removed was not screened.

Photos S-SW side JSH Pit bottom--32 above that--33 SE side pit bottom

--34 above that--35 SP2 natural level 3 N-W 20w=47 deep

40=49 60=51 80=49 W-S 20S =46 deep 40=48 60=52 80=50

S-E 20E=59 deep 40=60 60=61 70=62

E-N 20N-- deep 40=52 60=46 75=45

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August 8 SP3 All on the pit L6 60-70 cm. soil is darker and more
calcarous. A few sherds- all crunchies. Bottom of level Photo

JSH 9:36-W side Natural Level 3 noted KC 9:6 W-S side KC 9:7 S-E side

KC 9:8 E-N side L7 70-80 cm. running into some large rocks.

Soil is distinctly gray in N-W side. 1/3 bag of sherds,

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Bottom of Level 1 Photo JSH 10:1 N-W 10:2 W-S 10:3 S-E 10:4 E-N

L8 80-90 cm. Totally into gray wet sandy soil, frequent rocks, 4 sherds.

Bottom of Level 2 Photo JSH 10:5 S-W 10:6 S-E 10:7 nothing 10:8 E-W

10:9 N-W

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L9 90-100 cm. Still in gray sandy soil., increasingly wetter Rocky,

Sherds still coming. Photos JSH 10:10 N-W 10:11 W-S 10:12 S-E

10:13 E-N L10 100-120 cm. Water! No sherds. Pit abandoned at roughly

110 cm. with water approx 10 cm. deep. Brown sand below gray on

N-W side and sloping out of sight into water on S-E side.

Photos JSH 10:14 N-W 10:15 W-S 10:16 S-E 10:17 E-N

Backfill filling the pit THE END

PAGE 85

SP1 Took better part of morning (before break) to correct profiles and determine boundaries of levels within cobble concentration.

Began taking pollen sample at 20-30 cm. W of S stake, but ran into

large rodent hole making sample difficult to take. Consequently

we moved to 35-45 cm. W of S stake and had to clear face off again

in preparation for pollen sample. Workmen had nothing to do and went

PAGE85 cont.

fishing in river. Had to move pollen sample column back to 25-35 cm.

W. of S stake at 63-73 cm. deep because of lack of soil between cobbles.

SP3 natural level 4

N-W side 20 40 60 80
 73 74 76 82 depth of gray

 50 70 80 natural level 5
 102 101 102 sand begins.